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Please amend the paragraph beginning at page 18, line 28, as follows:

The RG 200 also includes a set of buses 429 used to route information within the RG 200. As illustrated in Fig. 5, the set of buses 429 includes a Time Division Multiplexing (TDM) bus 420, a control bus 422, a MPEG bus 424, and an ATM bus 428.

### IN THE CLAIMS

Please amend claims 21-31 and 47-49 as follows. A version marked "Version Marked to Show Changes" is attached.

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21. (Amended) A system comprising:  
the residential gateway of claim 18 and  
remote antennae packages in close proximity to and coupled to televisions that are  
remotely located from the residential gateway,  
the remote antennae packages receiving wireless signals, including  
channel select commands, from wireless remote control devices associated  
with the remotely located televisions, and modulating the wireless signals  
over media to the residential gateway.
- A2*
22. (Amended) The system of claim 21, wherein the residential gateway further  
comprises a media interface device coupled to said remote control antennae packages with the  
media, said media interface device receiving the wireless signals and extracting the channel  
select commands from the wireless signals.
23. (Amended) The system of claim 22, wherein the media is coaxial cable and said  
media interface device is a coaxial interface device.
24. (Amended) The system of claim 22, wherein said media interface device includes  
a remote antennae module for receiving the wireless signal and extracting the channel select  
commands.

25. (Amended) The system of claim 22, wherein the wireless remote control devices are UHF remote control devices and the wireless signals are UHF signals.

26. (Amended) The system of claim 25, wherein the UHF remote control devices transmit a 433 MHz UHF signal.

27. (Amended) The system of claim 26, wherein said remote antennae package modulates the 433 MHz UHF signal over the media.

*B2 contd*  
28. (Amended) The system of claim 24, wherein said remote antennae module extracts the channel select commands as a 1 KHz signal from the wireless signal.

*a2*  
29. (Amended) The system of claim 22, wherein said media interface device includes a diplexer for extracting other signals from the media or transmitting other signals over the media.

30. (Amended) The system of claim 29, wherein said media interface device further includes a balun for adjusting the impedance of a subset of the other signals so that the subset of the other signals can be processed by the residential gateway or can be transmitted over the media.

31. (Amended) The system of claim 22, wherein said media interface device is directly connected to the residential gateway.

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47. (Amended) A system for receiving and decoding signals from a telecommunications network and transmitting the decoded signals to a plurality of devices including multiple televisions, comprising:

*a3*  
a residential gateway comprising

a network interface module for transmitting upstream signals, including channel select commands, to the telecommunications network and

receiving downstream signals, including video signals, from the telecommunications network and

a video processor for decoding the video signals into at least one television signal corresponding to at least one channel select command, and transmitting the at least one television signal to the corresponding television;

a remote antennae package located in close proximity to and connected to a remotely located television, said remote antennae package receiving a wireless signal, including a channel select command, from a wireless remote control device associated with the remotely located television and modulating the wireless signal over media; and

a media interface device connected to the media and the residential gateway for demodulating the wireless signal, extracting the portion corresponding to the channel select command, and transmitting the channel select command to the residential gateway.

48. (Amended) The system of claim 47, wherein said media interface device includes:
- a remote antennae module for extracting the channel select commands from the wireless signal;
  - a splitter for splitting the at least one TV signal, so that the at least one TV signal can be provided to multiple locations;
  - a balun for adjusting the impedance of network signals to and from the telecommunications network so that they can be transmitted over the media; and

A3  
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contd